

## Assessment and Repair - External Corrosion Direct Assessment (ECDA)

**14. ECDA Post-Assessment (detail)** *Do records demonstrate that the requirements for post assessment were met?* (AR.EC.ECDAPOSTASSESS.R) (detail)

192.947(g) (192.925(b)(4))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Assessment and Repair - Internal Corrosion Direct Assessment

**11. Post-Assessment Evaluation and Monitoring (detail)** *Do records demonstrate that the operator assessed the effectiveness of the ICDA process?* (AR.IC.ICDAPOSTASSESS.R) (detail)

192.947(g) (192.927(c)(4)(i); 192.927(c)(4)(ii); 192.477)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Assessment and Repair - In-Line Inspection (Smart Pigs)

**10. Validation of ILI Results (confirm)** *From observation of field activities, do the employees and vendors validate ILI assessment results per their process?* (AR.IL.ILIVALIDATE.O) (confirm)

192.921(a)(1)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

PHMSA Form 16 Question Set (IA Equivalent)  
GAS TRANSMISSION INTEGRITY MANAGEMENT IMPEMENTATION INSPECTION

**14. ILI Acceptance Criteria (detail)** *Do records indicate adequate implementation of the process for ILI survey acceptance?* (AR.IL.ILIACCEPCRITERIA.R) (detail)

192.947(g) (192.921(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**18. Compliance with ILI Procedures (detail)** *Are O&M and IMP procedural requirements for the performance of ILI assessments followed?* (AR.IL.ILIIMPLEMENT.O) (detail)

192.921(a)(1) (192.620(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Assessment and Repair - Other Technology

**5. Other Technology (detail)** *Do records demonstrate that the assessments were performed in accordance with the process and vendor recommendations and that defects were identified and categorized within 180 days, if applicable?* (AR.OT.OTPLAN.R) (detail)

192.947(d) (192.921(a)(4); 192.933(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Assessment and Repair - Integrity Assessment Via Pressure Test

**5. Pressure Test Results (confirm)** *Do the test records validate the pressure test?* (AR.PTI.PRESSTESTRESULT.R) (confirm)

192.517(a) (192.505(a); 192.505(b); 192.505(c); 192.505(d); 192.505(e); 192.507(a); 192.507(b); 192.507(c); 192.513(a); 192.513(b); 192.513(c); 192.513(d); 192.517(b); 192.617; 192.619(a); 192.919(e); 192.921(a)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Assessment and Repair - Repair Criteria

**10. Field Inspection - Remedial Actions (IM) (detail)** *Is anomaly remediation adequate for the covered segments being observed?* (AR.RC.REMEDIATION.O) (detail)

192.933(c) (192.933(a); 192.933(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Assessment and Repair - Repair Methods and Practices

**2. Safety While Making Repair (confirm)** *Are repairs made in a safe manner and to prevent damage to persons and property?* (AR.RMP.SAFETY.O) (confirm)

192.605(b)(9) (192.713(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**5. Prevention of Accidental Ignition (confirm)** *Perform observations of selected locations to verify that adequate steps have been taken by the operator to minimize the potential for accidental ignition.* (AR.RMP.IGNITION.O) (confirm)

192.751(a) (192.751(b); 192.751(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**17. Inspection of Welds (confirm)** *Were welds inspected and examined in accordance with 192.241 and 192.243?* (AR.RMP.WELDINSPECT.O) (confirm)

192.241(a) (192.241(b); 192.241(c); 192.243(a); 192.243(b);  
192.243(c); 192.243(d); 192.243(e); 192.243(f))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**25. Transmission Lines Testing of Repairs (detail)** *Does the operator properly test replacement pipe and repairs made by welding on transmission lines?* (AR.RMP.WELDTTEST.O) (detail)

192.719(a) (192.719(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Assessment and Repair - Stress Corrosion Cracking

**6. Assessment Method (High pH SCC) (detail)** *Do records demonstrate that an assessment was performed using one of the methods specified in B31.8S Appendix A3?* (AR.SCC.SCCDAMETHOD.R) (detail)

192.947(g) (192.929(b)(2))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Design and Construction - Construction

**18. Inspection of Materials (detail)** *Are pipe lengths and other pipeline components visually inspected to ensure they are not damaged?* (DC.CO.INSPECTVISUAL.O) (detail)

192.307

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**21. Repair of Steel Pipe (detail)** *Are repairs to steel pipe made in accordance with 192.309?* (DC.CO.REPAIR.O) (detail)

192.309(a) (192.309(b); 192.309(c); 192.309(d); 192.309(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

PHMSA Form 16 Question Set (IA Equivalent)  
GAS TRANSMISSION INTEGRITY MANAGEMENT IMPLEMENTATION INSPECTION

**34. Installation of Pipe in a Ditch (detail)** *When pipe is placed in the ditch, is it installed so as to fit the ditch, minimize stresses, and protect the pipe coating from damage? (DC.CO.INSTALL.O) (detail)*

192.319(a) (192.319(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Design and Construction - Construction Weld Inspection

**3. Inspection and Test of Welds (detail)** *Are individuals who perform visual inspection of welding qualified? (DC.WELDINS.WELDVISUALQUAL.O) (detail)*

192.241(a) (192.241(b); 192.241(c); 192.807(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**6. Nondestructive Test and Interpretation Procedures (detail)** *Are NDT procedures adequate? (DC.WELDINS.WELDNDT.O) (detail)*

192.243(a) (192.243(b)(1); 192.243(b)(2); 192.243(c); 192.243(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**9. Repair or Removal of Weld Defects (detail)** *Are unacceptable welds removed and/or repaired? (DC.WELDINS.WELDREPAIR.O) (detail)*

192.245(a) (192.245(b); 192.245(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Design and Construction - Construction Welding Procedures

**3. Welding Procedures (detail)** *Are weld procedures being qualified in accordance with Â§192.225?*  
(DC.WELDPROCEDURE.WELD.O) (detail)

192.225(a) (192.225(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**6. Welding Weather (detail)** *Are welding operations are protected from certain weather conditions?*  
(DC.WELDPROCEDURE.WELDWEATHER.O) (detail)

192.231

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**11. Preparation for Welding (detail)** *Are welding preparations made in accordance with Â§192.235?*  
(DC.WELDPROCEDURE.WELDPREP.O) (detail)

192.235

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Design and Construction - Pressure Testing

**3. General - Testing Requirements (detail)** *Is pressure testing conducted in accordance with Â§192.503?*  
(DC.PT.PRESSTEST.O) (detail)

192.503(a) (192.503(b); 192.503(c); 192.503(d))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**6. Strength Test Requirements for SMYS > 30%. (detail)** *Is pressure testing conducted in accordance with §192.505? (DC.PT.PRESSTESTHIGHSTRESS.O) (detail)*

192.505(a) (192.505(b); 192.505(c); 192.505(d); 192.505(e))	Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Design and Construction - Training and Qualification

**4. Skills and Knowledge of Personnel Performing Covered Tasks - Contractor employees (detail)** *Do selected contractor individuals performing covered tasks demonstrate adequate skills and knowledge? (DC.TQ.OQCONTRACTOR.O) (detail)*

192.805(b) (Operators OQ program manual)	Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**6. Skills and Knowledge of Personnel Performing Covered Tasks - Operator Employee (detail)** *Do selected operator individuals performing covered tasks demonstrate adequate skills and knowledge? (DC.TQ.OQPLANEMPLOYEE.O) (detail)*

192.805(b) (Operators OQ program manual)	Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**8. Qualification of Personnel who Oversee and Perform Excavations and Backfilling Operations (detail)** *Do selected individuals who oversee marking, trenching and backfilling operations demonstrate adequate skills and knowledge? (DC.TQ.EXCAVATE.O) (detail)*

192.805(b) (ADB-06-01)	Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**10. Qualification of Personnel Performing Hot Taps (detail)** *Do personnel performing hot taps demonstrate adequate skills and knowledge? (DC.TQ.HOTTAP.O) (detail)*

192.805(b) (192.627)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Integrity Management - High Consequence Areas

**8. IM High Consequence Areas - Identification Method 1 (Class Locations) (detail)** *Do records demonstrate that application of the 192.903 High Consequence Area definition (1) for the identification of HCAs was adequate? (IM.HC.HCAMETHOD1.R) (detail)*

192.947(d) (192.903 (1)(i); 192.903(1)(ii); 192.903(1)(iii);  
192.903(1)(iv))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**10. IM High Consequence Areas - Identification Method 2 (Potential Impact Radius) (detail)** *Do records demonstrate that the application of 192.903 High Consequence Area definition (2) for identification of HCAs was adequate? (IM.HC.HCAMETHOD2.R) (detail)*

192.947(d) (192.905(a); 192.903(2)(ii))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**13. IM High Consequence Areas (detail)** *Are HCAs correctly identified per up-to-date information? (IM.HC.HCADATA.O) (detail)*

192.905(c)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Integrity Management - Preventive and Mitigative Measures

**3. P&M Measures - Third Party Damage (detail)** *Does the preventive and mitigative measure process include requirements that threats due to third party damage be addressed?* (IM.PM.PMMTPD.P) (detail)

192.917(e)(1) (192.935(b)(1); 192.935(e))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**14. P&M Measures - Automatic Shut-Off Valves or Remote Control Valves (detail)** *Do records demonstrate that the operator has determined, based on risk, whether automatic shut-off valves or remote control valves should be added to protect high consequence areas?* (IM.PM.PMMASORCV.R) (detail)

192.947(d) (192.935(c))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**15. P&M Measures - Implementation (detail)** *Have identified measures to prevent a pipeline failure and to mitigate the consequences of a pipeline failure in an HCA been implemented?* (IM.PM.PMMIMPLEMENT.O) (detail)

192.935(a)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Maintenance and Operations - ROW Markers, Patrols, Leakage Survey and Monitoring

**4. Placement of ROW Markers (confirm)** (presented above) *Are line markers placed and maintained as required?* (MO.RW.ROWMARKER.O) (confirm)

192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**5. ROW Conditions (confirm)** (presented above) *Are the ROW conditions acceptable for the type of patrolling used?* (MO.RW.ROWCONDITION.O) (confirm)

192.705(a) (192.705(c))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Public Awareness and Damage Prevention - ROW Markers, Patrols, Monitoring

**4. Placement of ROW Markers (confirm)** (presented above) *Are line markers placed and maintained as required?* (MO.RW.ROWMARKER.O) (confirm)

192.707(a) (192.707(b); 192.707(c); 192.707(d); CGA Best Practices, v4.0, Practice 2-5; CGA Best Practices, v4.0, Practice 4-20)

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**5. ROW Conditions (confirm)** (presented above) *Are the ROW conditions acceptable for the type of patrolling used?* (MO.RW.ROWCONDITION.O) (confirm)

192.705(a) (192.705(c))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Time-Dependent Threats - External Corrosion - Coatings

**12. Exposed Pipe Coating (detail)** *Is exposed buried pipe coating inspected to determine if it is deteriorating?* (TD.COAT.EXPOSEINSPECT.O) (detail)

192.459

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Training and Qualification - OQ Protocol 9

**1. Covered Task Performance (detail)** (presented above) *Verify the qualified individuals performed the observed covered tasks in accordance with the operator's procedures or operator approved contractor procedures.*  
(TQ.PROT9.TASKPERFORMANCE.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**2. Qualification Status (detail)** (presented above) *Verify the individuals performing the observed covered tasks are currently qualified to perform the covered tasks.* (TQ.PROT9.QUALIFICATIONSTATUS.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**3. Abnormal Operating Condition Recognition and Reaction (detail)** (presented above) *Verify the individuals performing covered tasks are cognizant of the AOCs that are applicable to the tasks observed.*  
(TQ.PROT9.AOCRECOG.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**4. Verification of Qualification (detail)** (presented above) *Verify the qualification records are current, and ensure the personal identification of all individuals performing covered tasks are checked, prior to task performance.*  
(TQ.PROT9.VERIFYQUAL.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

**5. Program Inspection Deficiencies (detail)** (presented above) *Have potential issues identified by the headquarters inspection process been corrected at the operational level?* (TQ.PROT9.CORRECTION.O) (detail)

192.801(a) (192.809(a))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Training and Qualification - Qualification of Personnel - Specific Requirements

**5. Qualification of Personnel Tapping Pipelines under Pressure (detail)** *Do personnel performing hot taps demonstrate adequate skills and knowledge?* (TQ.QU.HOTTAPQUAL.O) (detail)

192.627 (192.805(h))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

**8. Qualification of Personnel who Oversee and Perform Excavations and Backfilling Operations (detail)** *Do individuals who oversee marking, trenching, and backfilling operations demonstrate adequate skills and knowledge?* (TQ.QU.EXCAVATE.O) (detail)

192.805(b) (192.805(h); ADB-06-01; 192.801(a); 192.328(a); 192.328(c))

Sat+	Sat	Concern	Unsat	NA	NC

**Notes**

## Training and Qualification - Qualification of Personnel - Specific Requirements (O and M Construction)

### 6. Qualification of Welders (detail) *Do welders demonstrate adequate skills and knowledge?*

(TQ.QUOMCONST.WELDER.O) (detail)

192.227(a) (192.227(b); 192.229(a); 192.229(b); 192.229(c); 192.229(d); 192.805(h); 192.807(a); 192.328(a); 192.328(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

### 9. Qualification of Nondestructive Testing Personnel (detail) *Do nondestructive testing personnel demonstrate adequate skills and knowledge?* (TQ.QUOMCONST.NDT.O) (detail)

192.243(b)(2) (192.807(a); 192.328(a); 192.328(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

## Training and Qualification - Training of Personnel

### 3. Emergency Response Training (detail) *Do emergency response personnel demonstrate adequate skills and knowledge?* (TQ.TR.TRAINING.O) (detail)

(TQ.TR.TRAINING.O) (detail)

192.615(b)(2) (192.805(b))

Sat+	Sat	Concern	Unsat	NA	NC

Notes

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